

Message

---

**From:** ZIFF, SARA [ZIFF.SARA@EPA.GOV]  
**Sent:** 6/12/2018 10:11:25 PM  
**To:** Santos, Carmen [Santos.Carmen@epa.gov]  
**Subject:** RE: CBS / Former Westinghouse - Excel spreadsheet for each DU  
**Attachments:** Output\_Transformer Pit.xlsx; Output\_NonPorous\_Grates and Drains.xlsx; Output\_NonPorousHigherThan8ft.xlsx; Output\_NonPorous8ftOrLower.xlsx; Output\_LoadingDockSW.XLSX; Output\_LoadingDockSE.XLSX; Output\_LoadingDockNE.XLSX; Output\_Indoor Air.xlsx; Output\_Control Room Storage Room Walls.xlsx; Output\_ConcreteWall\_IntOffice.xlsx; Output\_ConcreteWall\_SE.XLSX; Output\_ConcreteWall\_SW.XLSX; Output\_ConcreteWall\_NW.XLSX; Output\_ConcreteWall\_NE.XLSX; Output\_ConcreteFloor\_IntOfficeMez.xlsx; Output\_ConcreteFloor\_SE.XLSX; Output\_ConcreteFloor\_SW.XLSX; Output\_ConcreteFloor\_NW.XLSX; Output\_ConcreteFloor\_NE.XLSX

Hi Carmen,

I've had a chance to review the Westinghouse ProUCL calculations, and overall they look good. I've attached my outputs, which for the most part are identical or very similar to the outputs the RP sent us. Here are some comments:

- Using the detection limit as a value when a result was non-detect is conservative. That approach was taken some of the time, and the rest of the time the typical ProUCL approach to NDs was taken. (This uses a complex algorithm.) Both approaches are fine from my perspective.
- ProUCL is not ideal for data sets with fewer than 10 sample results, but it can still be useful if there are at least a few (~4) data points. Many of these data sets were small, but I think ProUCL is still useful. ProUCL won't work at all if there are only two data points, as was the case for the HVAC dust. You may simply want to use the larger of the two results.
- For the Concrete Walls NE, the suggested UCL is very high (higher than the highest result), and ProUCL makes a note that says if this value is unreasonably large, to use either the 97.5% or 99% Chebyshev UCL instead. The 97.5% Chebyshev UCL is 46.53 ppm, which I suggest.
- For the Nonporous Higher Than 8 Feet, the RP selected a conservative Chebyshev UCL instead of the suggested output, which is fine.

Please let me know if you have any questions.

Thanks,  
Sara

^^^^^^^^^^^^^^^^^^^^  
Sara Ziff, P.E.  
Project Manager  
Corrective Action Section  
U.S. EPA, Region 9  
75 Hawthorne Street (LND-4-1)  
San Francisco, CA 94105  
(415) 972-3536  
ziff.sara@epa.gov

---

**From:** Santos, Carmen  
**Sent:** Friday, June 08, 2018 11:12 AM  
**To:** ZIFF, SARA <ZIFF.SARA@EPA.GOV>  
**Subject:** FW: CBS / Former Westinghouse - Excel spreadsheet for each DU

Hi Sara,

Regarding the CBS / former Westinghouse site in Compton, California, attached are the Excel spreadsheets for each decision unit in which the interior of the warehouse building was subdivided. Please let me know if you have any questions about the decision units. I know you are also very busy. So, please let me know by when could I expect your review of the above tables.

Thank you very much for your help with the review of the above 95% UCL for interior building DUs at former Westinghouse warehouse building. I appreciate your help.

Best,  
Carmen D. Santos  
PCB Coordinator



USEPA Region 9  
Land Division, LND-4-1  
75 Hawthorne Street  
San Francisco, CA 94105  
415.972.3360  
[santos.carmen@epa.gov](mailto:santos.carmen@epa.gov)

*"I am imagination. I can see what the eyes cannot see. I can hear what the ears cannot hear. I can feel what the heart cannot feel." Zarlenga*

~~~~~  
Before printing this message and/or attachments: Think Green

{This e-mail including any attachments, may contain non-public, privileged, and/or confidential information solely intended for the designated recipient(s). If you receive this e-mail and are not an intended recipient, please delete this e-mail and its attachments right away. Unauthorized use, dissemination, distribution, or reproduction of this e-mail and its attachments is strictly prohibited by law.}

\*\*\*\*\*

---

**From:** Rykaczewski, Dave A. [<mailto:Dave.Rykaczewski@wsp.com>]  
**Sent:** Tuesday, June 05, 2018 2:00 PM  
**To:** Santos, Carmen <[Santos.Carmen@epa.gov](mailto:Santos.Carmen@epa.gov)>  
**Cc:** Cepko, Russ P <[Russ.Cepko@cbs.com](mailto:Russ.Cepko@cbs.com)>  
**Subject:** RE: CBS / Former Westinghouse - Excel spreadsheet for each DU

Carmen,

The attached files have the data for each decision unit. Please let us know if this format suits your needs.

Thanks,  
Dave

**Dave Rykaczewski, PE**  
Senior Technical Manager  
Water & Environment



11 Stanwix Street, Suite 950, Pittsburgh, PA 15222  
Direct: +1-412-375-0282  
Main: +1-412-604-1040  
Mobile: +1-412-418-0140

Please note I have a new address.

[www.wsp.com/usa](http://www.wsp.com/usa)

---

**From:** Santos, Carmen [<mailto:Santos.Carmen@epa.gov>]  
**Sent:** Wednesday, May 30, 2018 5:41 PM  
**To:** Rykaczewski, Dave A. <[Dave.Rykaczewski@wsp.com](mailto:Dave.Rykaczewski@wsp.com)>  
**Cc:** Cepko, Russ P <[Russ.Cepko@cbs.com](mailto:Russ.Cepko@cbs.com)>  
**Subject:** CBS / Former Westinghouse - Excel spreadsheet for each DU

Hi Dave,

I hope that your week is going well. We tried to begin our review of the Excel calculations that you sent to me. Please resend the Excel table containing separate sheets for each DU. Each separate sheet should include the individual data for each of the DUs described in the proposed cleanup approach. The revised Excel book will help and allow us review the 95% UCL calculations.

Thank you for your courtesies and please call me if you have questions about this email.

Best,

Carmen D. Santos  
PCB Coordinator



USEPA Region 9  
Land Division, LND-4-1  
75 Hawthorne Street  
San Francisco, CA 94105  
415.972.3360  
[santos.carmen@epa.gov](mailto:santos.carmen@epa.gov)

*"I am imagination. I can see what the eyes cannot see. I can hear what the ears cannot hear. I can feel what the heart cannot feel." Zarlenga*

~~~~~

Before printing this message and/or attachments: Think Green

{This e-mail including any attachments, may contain non-public, privileged, and/or confidential information solely intended for the designated recipient(s). If you receive this e-mail and are not an intended recipient, please delete this e-mail and its attachments right away. Unauthorized use, dissemination, distribution, or reproduction of this e-mail and its attachments is strictly prohibited by law.}

\*\*\*\*\*